



TITLE: METHOD AND APPARATUS FOR ADJUSTED DC  
OFFSET POTENTIAL IN A LIQUID CRYSTAL DISPLAY (LCD) DEVICE  
INVENTOR: KEVIN J. ILCISIN, et al.  
SN.: 09/863,211; DATE FILED: 05/21/2001; DOCKET: 006.00052  
ATTY: VINCENT B. INGRASSIA; PHONE: (480) 385-5060

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FUNDAMENTAL COMPONENTS OF A LIQUID CRYSTAL DISPLAY DEVICE

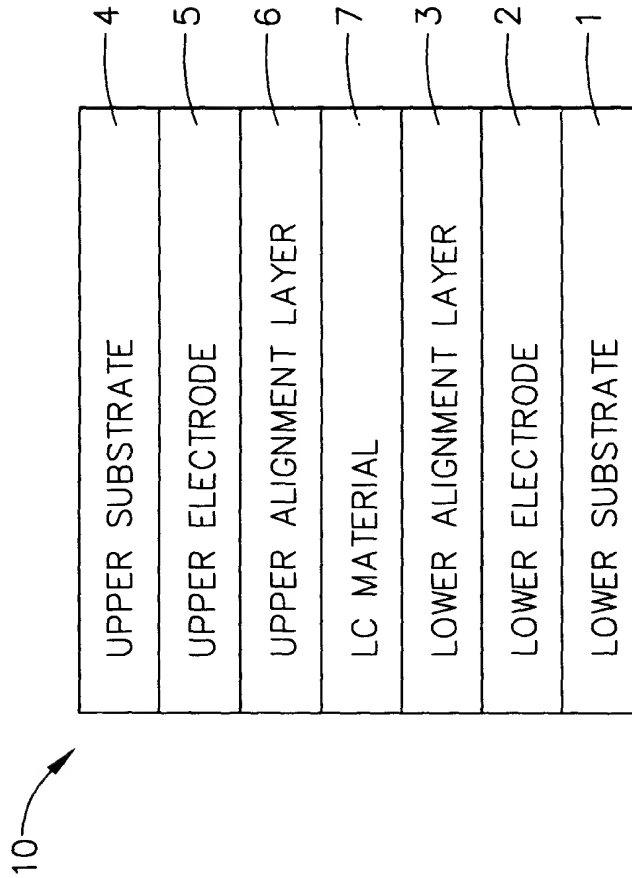


FIG. 1



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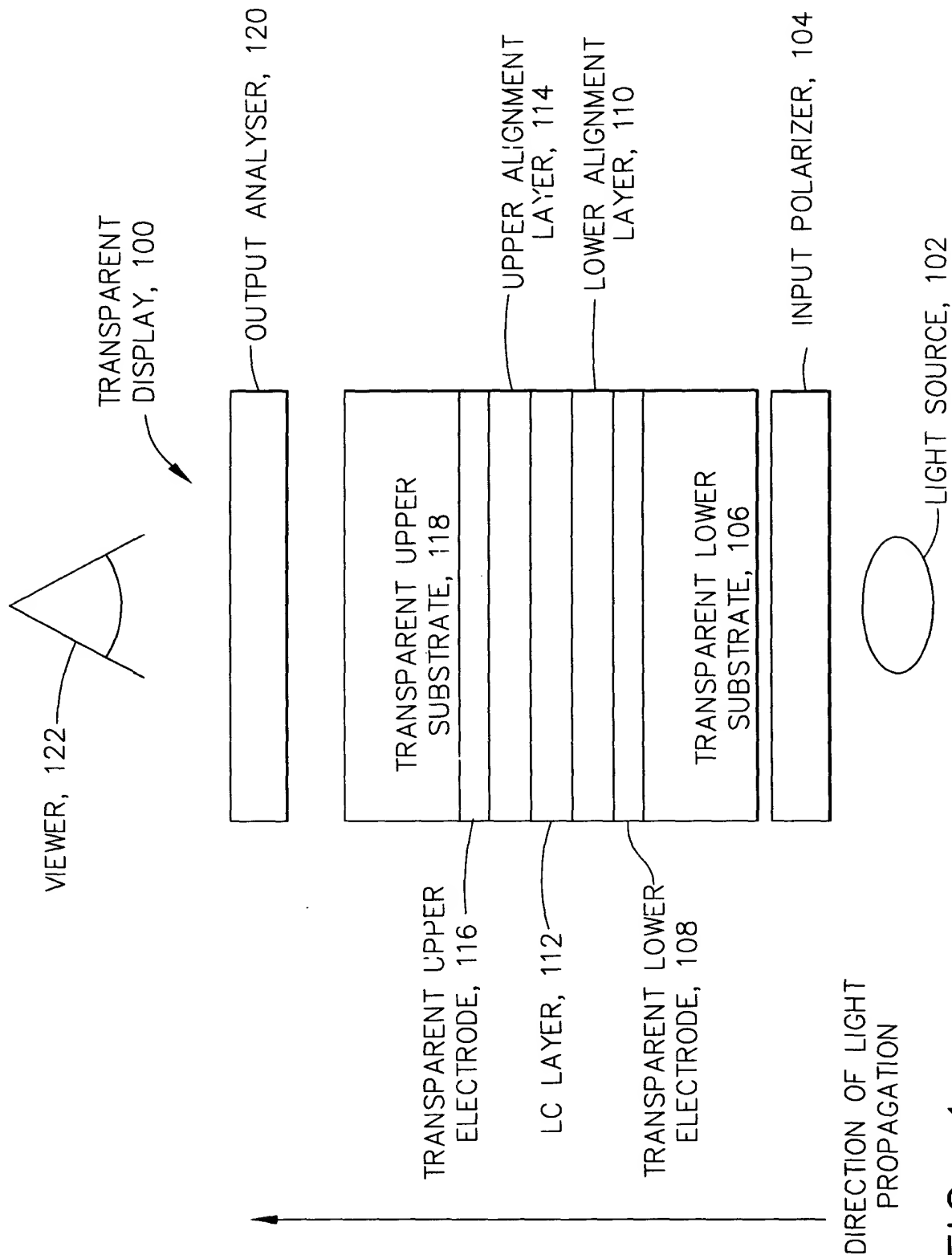


FIG. 1a



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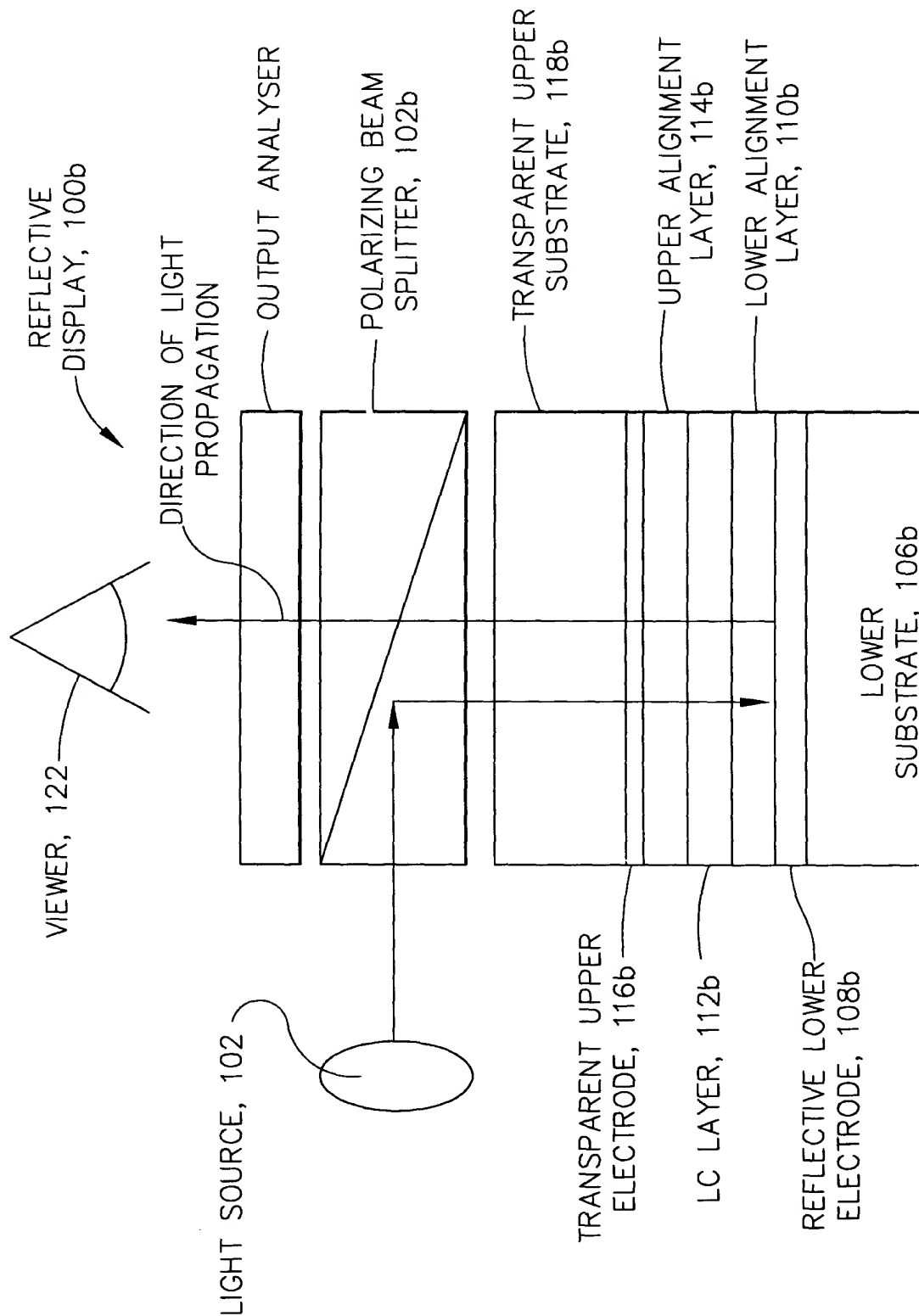


FIG. 1b



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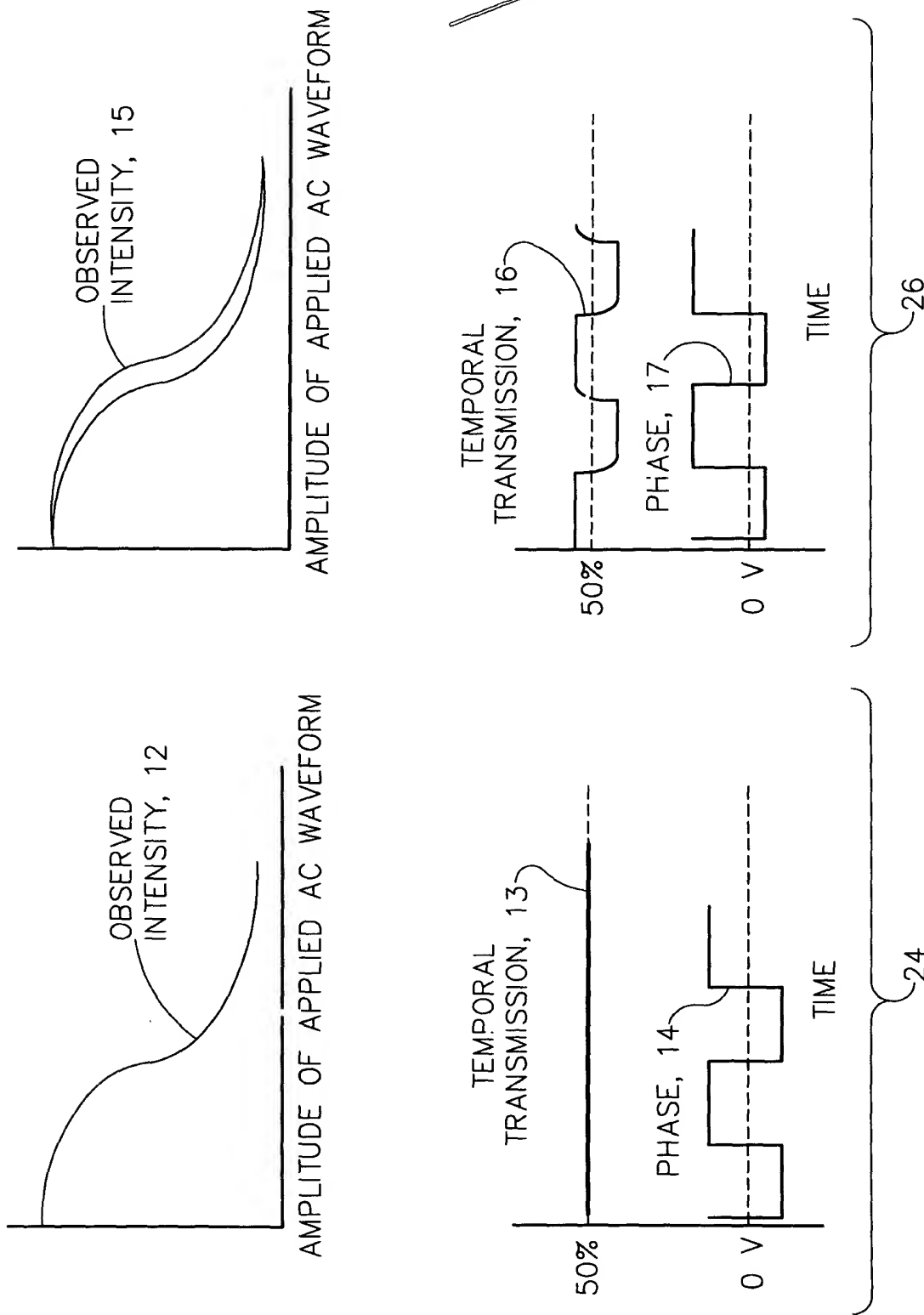


FIG. 2



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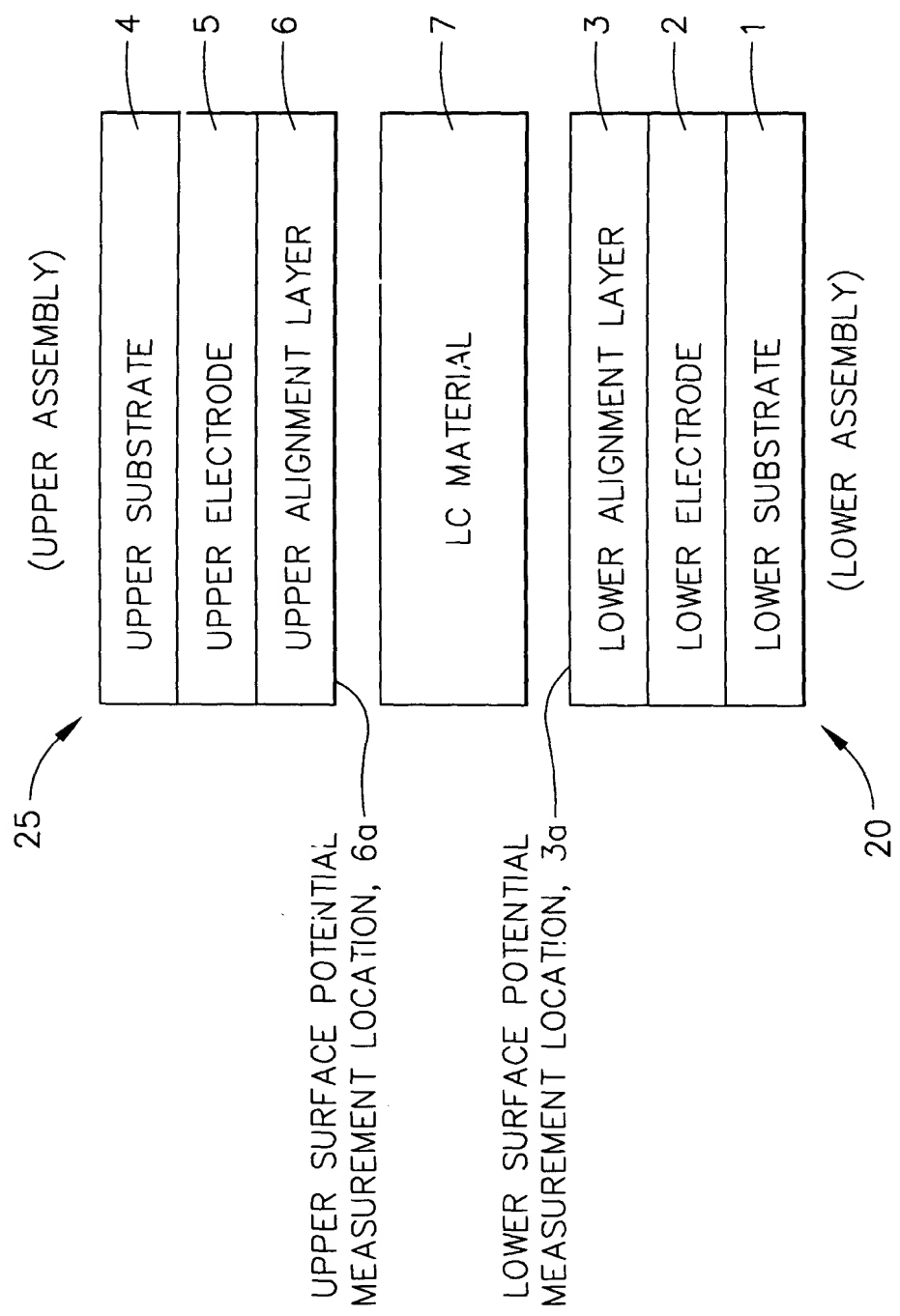


FIG. 3



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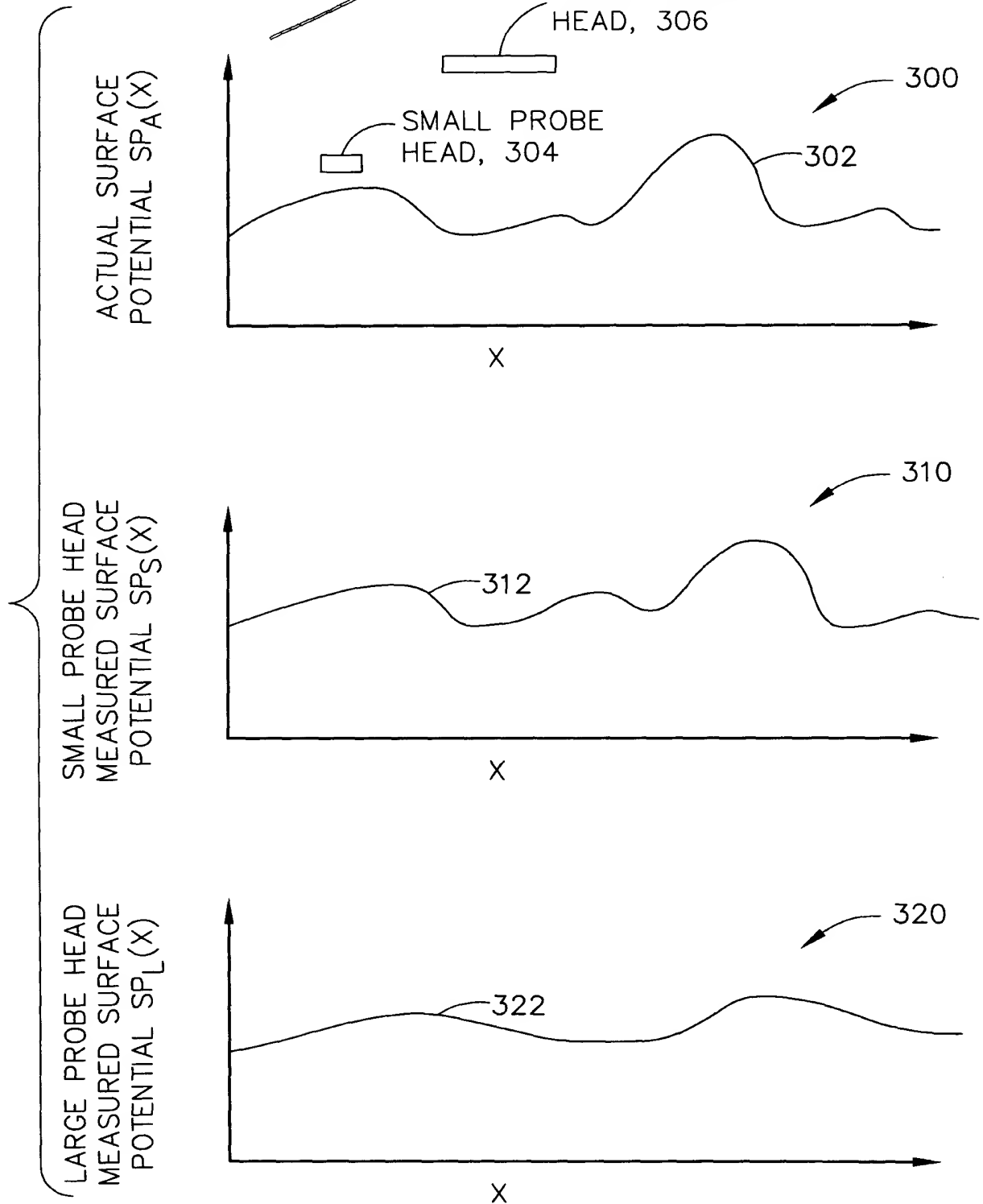


FIG. 3a



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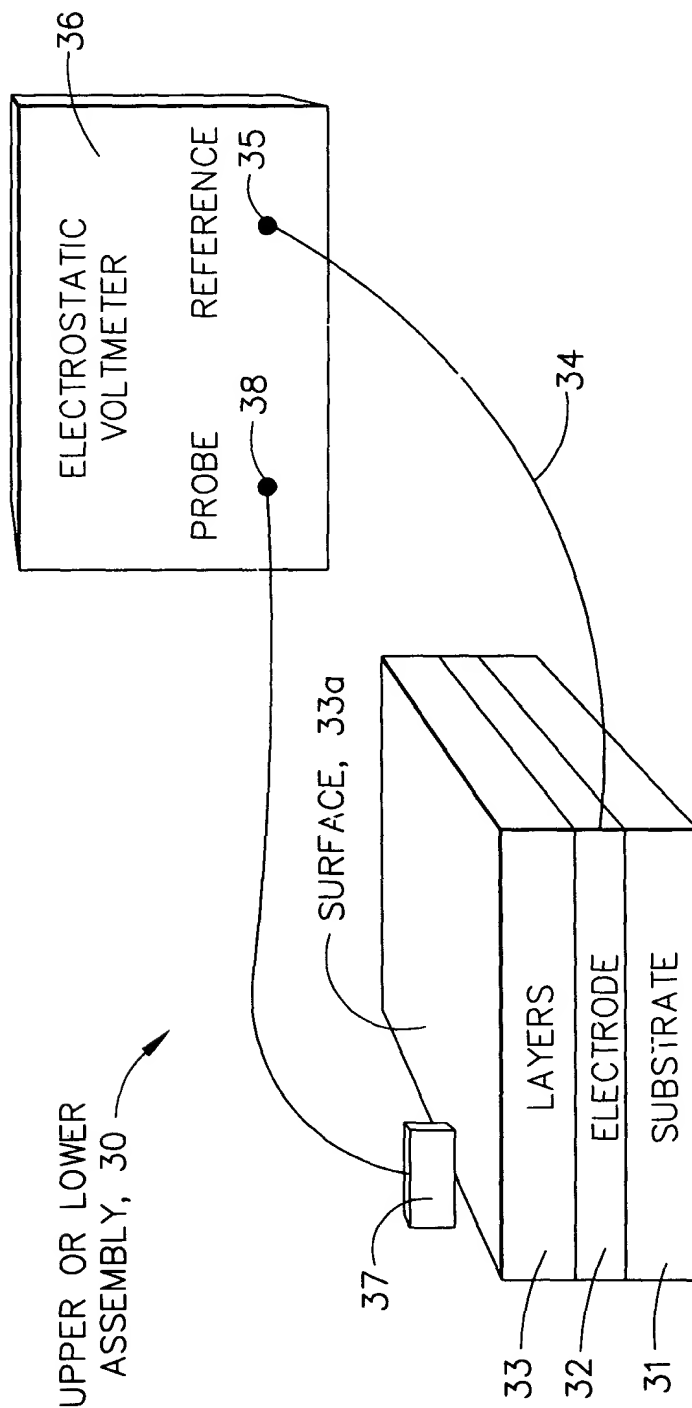


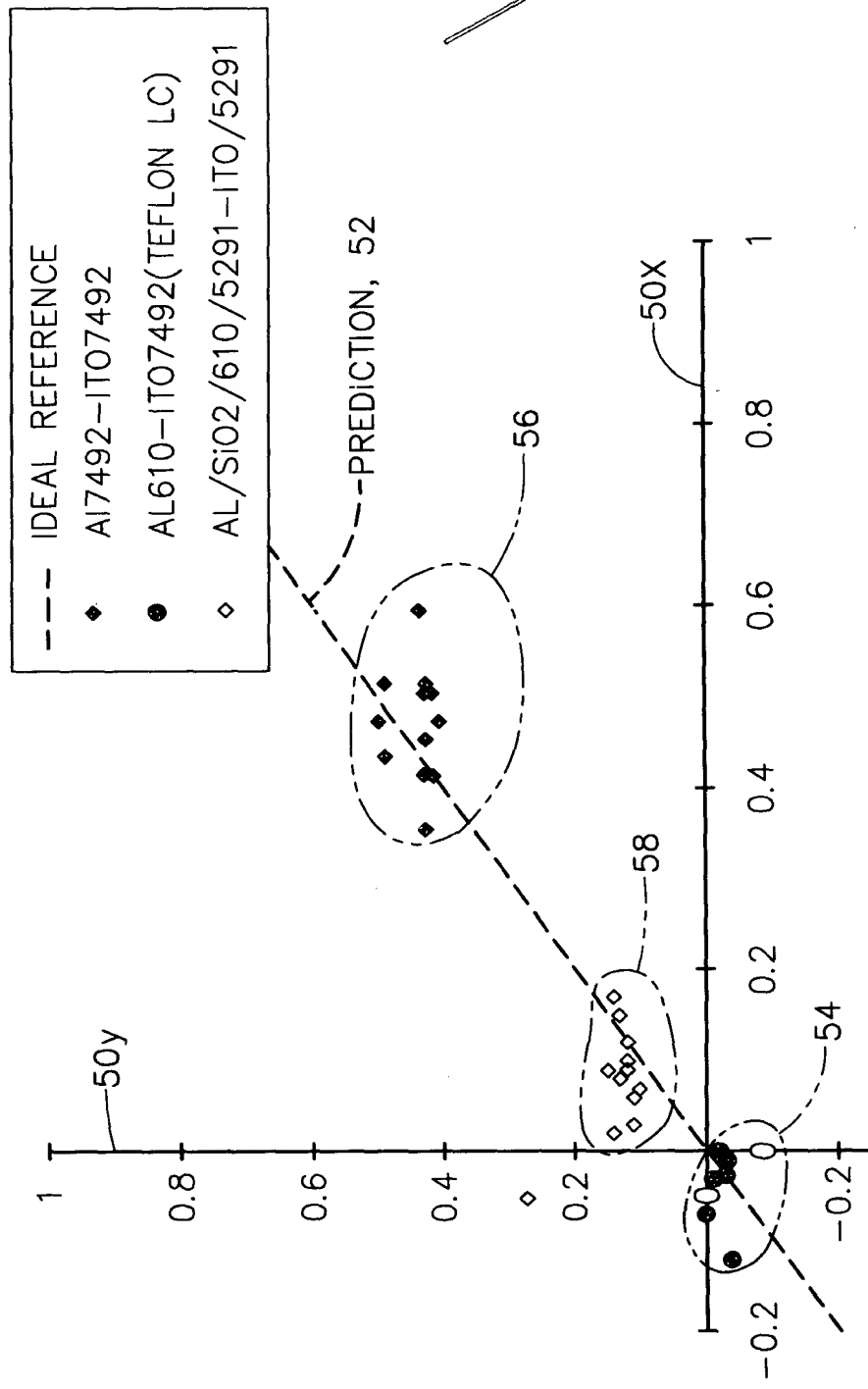
FIG. 4



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COMPARISON OF PREDICTED TO MEASURED DC OFFSET VOLTAGE

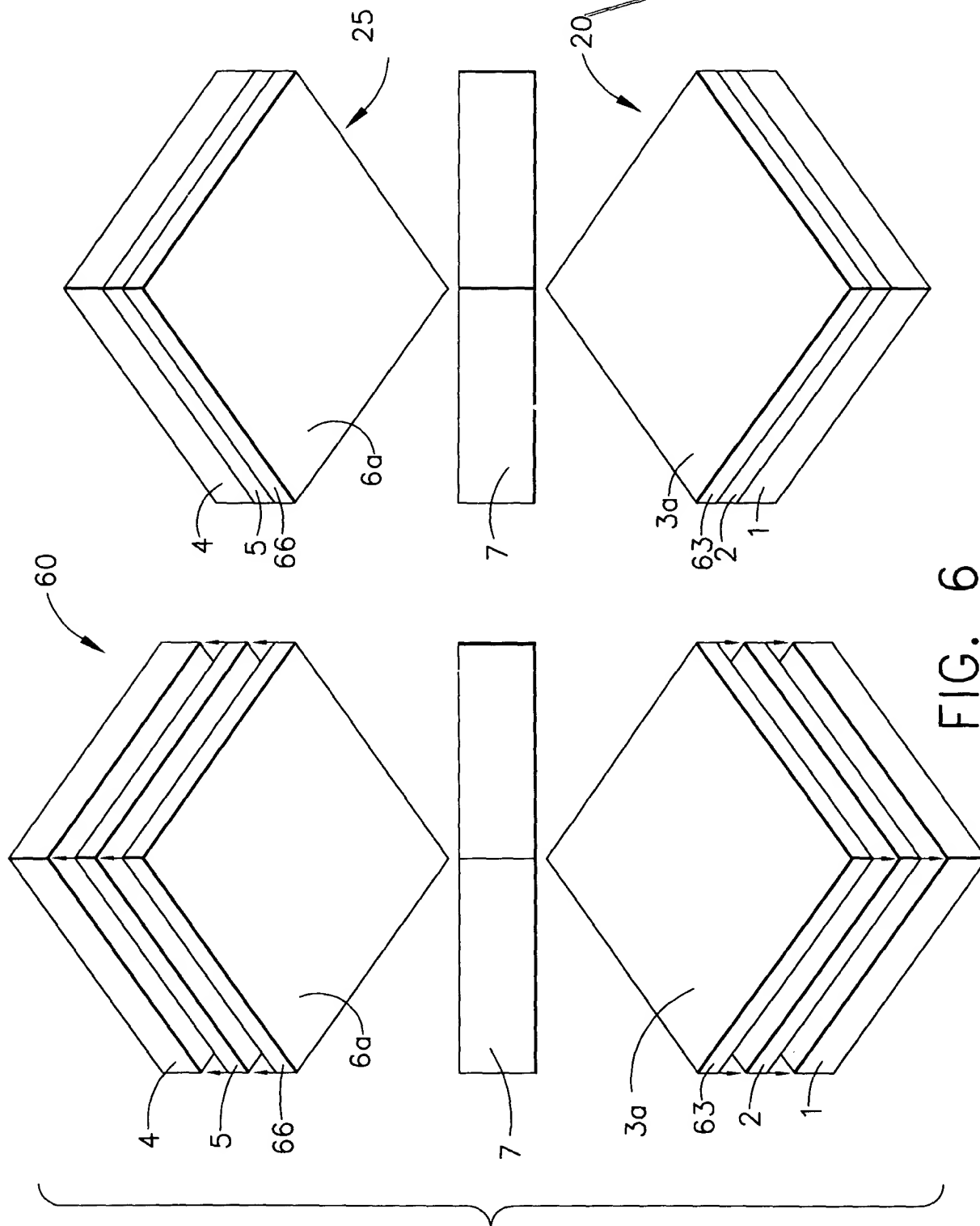


PREDICTED DC OFFSET VOLTAGE FROM SURFACE  
POTENTIAL MEASUREMENTS (V)

DC OFFSET MEASURED WITH AN OPTICAL TECHNIQUE (V)

FIG. 5





6. 6.



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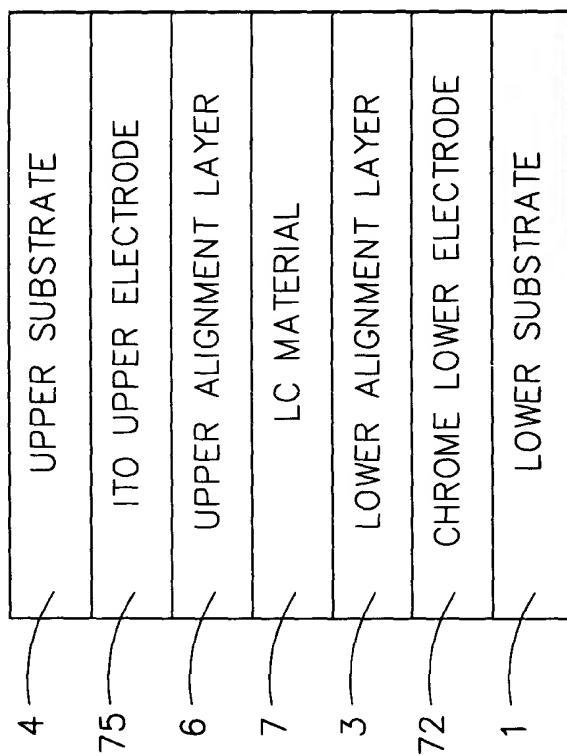


FIG. 7



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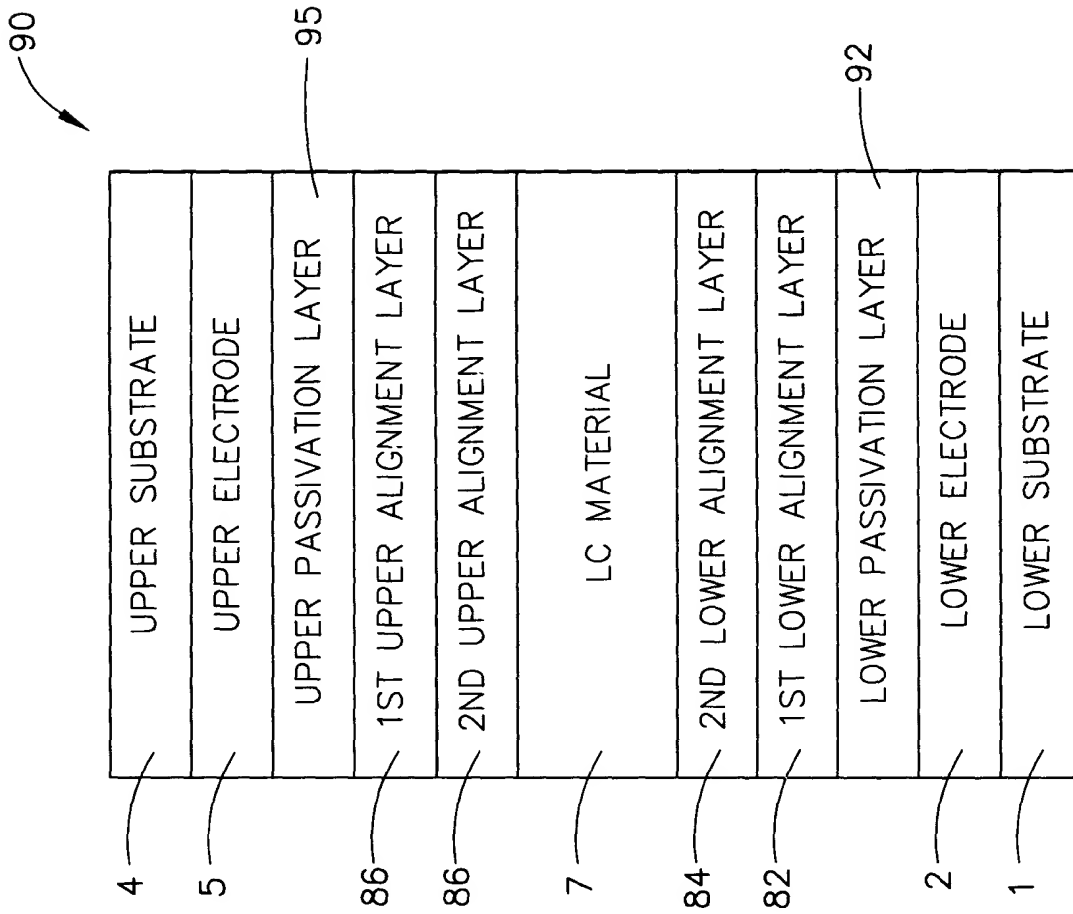


FIG. 9



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